



Shenzhen Feasycom Technology Co.,LTD

# FSC-BP101Y

USB dongle

*Datasheet Version 3.2*

## Features

- Bluetooth 5.0 Classical/BLE Proprietary double-mode RF SOC
- UART programming and data interface (baudrate can up to 921600bps)
- I2C/USB interfaces
- Digital Peripherals
  - Two-wire Master (I2C compatible) , up to 400kbps
  - LED drive capability
  - AES256 HW encryption
  - USB2.0 fullspeed,4Eps, support host mode
- Dual Core Digital Architecture
  - ARM Cortex-M0 Core for application
  - CPU clock speed up to 192Mhz
- 2.4GHz Transceiver
  - Single-end RFIO
  - -95dBm in BLE mode
  - Support 250kbps, 1/2/3 Mbps data rates
  - Tx Power 0dBm
- Postage stamp sized form factor
- Working current is 5mA
- RoHS compliant





**Features**

**General**

Feasycom's USB dongle Solution

**Profiles**

Major Profiles	SPP/BLE
	USB POS
	USB KEYBOARD
	USB CDC
	USB POS+ USB KEYBOARD

**Radio specifications**

Bluetooth Version	Bluetooth v5.0 Dual mode
Frequency	2.400 - 2.480 GHz
Transmit Power	+5 dBm (Maximum)
Receive Sensitivity	-95 dBm (Typical)
Raw Data Rates (Air)	3 Mbps
Modulation	GFSK

Profiles	Classic Bluetooth	Support
	Bluetooth Low Energy	Support
	Classic Bluetooth	1 Clients
	Bluetooth Low Energy	1 Clients
Maximum Connections		

**Antenna**

Type	PCB Coil antenna
Gain	2dBi (Max)
Radiation diagram	Omnidirectional

**Power**

Power supply	USB
Voltage	5V (typ.)

<b>Mechanical specifications</b>	
Material	ABS plastic
Color	BLACK
Size	32.8x16.2x8 mm
Protection	IP40

<b>Environmental specifications</b>	
Operating temperature	-10°C to +70°C
Storage temperature	-10°C to +70°C

Feasycom reserves the right to change product specifications at any time without prior notice.